HANWHA LLDPE 4200

Linear Low Density Polyethylene

Hanwha Chemical

Message:

HANWHA LLDPE 4200 is blended by LDPE with LLDPE and designed for lamination film. LLDPE 4200 has well balanced property of optical property and processability.

General Information	
Features	Optical Workability, good
Uses	Films Laminate
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a
Processing Method	Film extrusion Blow film

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.6	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	16.7	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	30	µm	
Tensile Strength			ASTM D882
MD: Break, 30 µm	34.3	MPa	ASTM D882
TD: Break, 30 µm	30.4	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 30 µm	700	%	ASTM D882
TD: Break, 30 µm	800	%	ASTM D882
Dart Drop Impact (30 µm)	80	g	ASTM D1709
Tensile Tear Strength			ASTM D1004
MD : 30.0 µm	137.3	kN/m	ASTM D1004
TD : 30.0 µm	147.1	kN/m	ASTM D1004
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	98.0	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**

Haze (30.0 µm)	6.0	%	ASTM D1003

Extrusion	Nominal Value	Unit
Melt Temperature	150 - 190	°C

Extrusion instructions
Blow-up Ratio: 2 to 3Optimum Gage Range: 0.03 to 0.1 mm

Recommended distributors for this material

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